

# Colby Hill

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## Education

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**University of South Carolina, Columbia, SC**

May 2020

*Bachelor of Science in Computer Science*

**GPA:** 3.96 / 4.00 | Leadership Distinction | Information Assurance Certification | Phi Beta Kappa | Tau Beta Pi

## Experience

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**Capital One**

June 2020 - August 2020

Software Engineering Intern

**Krumware**

August 2019 - Current

Software Development Intern

Columbia, SC

- Led the migration to Rancher which enabled Multi-Cloud Computing and improved application availability
- Automated Kubernetes deployments and resource management workflow
- Developing microservices for feature-rich progressive web applications
- Utilizing Swagger UI to generate visual and interactive API documentation
- **Technologies Used:** Node, Express, MongoDB, Docker, Rancher, Kubernetes, Jenkins, AWS, GitHub Actions

**Boeing**

May 2019 - August 2019

Software Engineering Intern

Seattle, WA

- Architected and deployed two serverless identity management applications into production
- Leveraged continuous integration and deployment pipelines to maximize development efficiency
- Implemented solutions to assist the collection, modification, and publication of identity data
- Designed and developed a homepage for the Identity & Directory Services team
- **Technologies Used:** Spring Boot, Angular, HTML, CSS, Gradle, Pivotal Cloud Foundry, GitLab CI/CD

**University of South Carolina**

November 2017 - May 2019

Research Assistant

Columbia, SC

- Effectively led and managed a team to ensure optimal application development
- Developed an Android Wear smartwatch application to detect and record smoking gestures
- Increased smartwatch battery lifespan by 300% by implementing batch processing and optimizing processes
- Presented at Discover USC, Arnold School of Public Health, and lab meetings
- **Technologies Used:** Java, Android, Python, Gradle, Matlab

## Projects

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**Outdoorist:** iPhone/iPad app published to the App Store and built with Swift for tracking outdoor adventures, visualizing previous adventure data, and planning trips

**UofSC AR Tour:** Collaborated with a small team of students to design and develop an iOS app that enables Augmented Reality historical tours of the University of South Carolina

**Survey Assistant:** Script that eliminated 30 hours per week of manual data entry and automated the aggregation of patient response data for a large scale counseling research study

## Honors and Awards

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USC Achievement Scholarship, South Carolina Life Scholarship, USC Integration Bee: 1st place